

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

1. (Currently amended) A system comprising elements for the control from a remote location of at least one discrete measurable operational parameter of a molding fluid or fiber in a manufacturing process for manufacturing composite articles at two or more manufacturing locations comprising:

a. at least one sensor measuring said operational parameter of the manufacturing process for a composite comprising a resin and a reinforcement;

b. a signal generator connected to each of said at least one sensor for producing a digital signal;

c. a transmitter for transmitting said digital signal to said remote location;

d. a process controller provided at said remote location for processing said transmitted digital signal;

e. process control software associated with said process controller wherein said process control software self-adjusts said operational parameter for said at least one sensor; and

f. a transmitter for sending operational instructions from said remote location to said manufacturing locations wherein the remote site has the ability to change programming of the process controller on a real time basis.

2. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises a pressure within the manufacturing process.

3. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises the pressure of a flowable resin within the manufacturing process.

4. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises a flow rate within the manufacturing process.

5. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises the flow rate of a flowable resin within the manufacturing process.

6. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises a temperature within the manufacturing process.

7. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises the temperature of a mold within the manufacturing process.

8. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises the temperature of a flowable thermoplastic resin within the manufacturing process.

9. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises a cycle time or a cure time within the manufacturing process.

10. (Currently amended) A system comprising elements for the control from a remote location of at least one discrete measurable operational parameter of a molding fluid or fiber in a manufacturing process for manufacturing a fiber reinforced thermoset product at two or more manufacturing locations comprising:

- a. at least one sensor measuring said operational parameter of the manufacturing process for a composite comprising a thermoset resin and a reinforcement;
- b. a signal generator connected to each of said at least one sensor for producing a digital signal;
- c. a transmitter for transmitting said digital signal to said remote location;
- d. a process controller provided at said remote location for processing said transmitted digit signal;

e. process control software associated with said process controller wherein said process control software self-adjusts said operational parameter for said at least one sensor; and

f. a transmitter for sending operational instructions from said remote location to said manufacturing locations wherein the remote site has the ability to change programming of the process controller on a real time basis.

11. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises a pressure within the manufacturing process.

12. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises the pressure of a flowable resin within the manufacturing process.

13. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises a flow rate within the manufacturing process.

14. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises the flow rate of a flowable resin within the manufacturing process.

15. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises a temperature within the manufacturing process.

16. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises the temperature of a mold within the manufacturing process.

17. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises the temperature of a flowable resin within the manufacturing process.

18. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises a cure time within the manufacturing process.

19. (Currently amended) A system comprising elements for the control from a remote location of at least one discrete measurable operational parameter of a molding fluid or fiber in a

manufacturing process for reheating thermoplastic at two or more manufacturing locations comprising:

- a. at least one sensor measuring said operational parameter of the manufacturing process for a composite comprising a thermoplastic resin and a reinforcement;
- b. a signal generator connected to each of said at least one sensor for producing a digital signal;
- c. a transmitter for transmitting said digital signal to said remote location;
- d. a process controller provided at said remote location for processing said transmitted digital signal;
- e. process control software associated with said process controller wherein said process control software self-adjusts said operational parameter for said at least one sensor; and
- f. a transmitter for sending operational instructions from said remote location to said manufacturing locations wherein the remote site has the ability to change programming of the process controller on a real time basis.

20. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises a pressure within the manufacturing process.

21. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises the pressure of a flowable resin within the manufacturing process.

22. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises a flow rate within the manufacturing process.

23. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises the flow rate of a flowable resin within the manufacturing process.

24. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises a temperature within the manufacturing process.

25. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises the temperature of a mold within the manufacturing process.

26. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises the temperature of a flowable resin within the manufacturing process.

27. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises a cycle time within the manufacturing process.

28. (Previously presented) A system for the control from a remote location of at least one discrete measurable operational parameter of a manufacturing process for manufacturing composite articles at two or more manufacturing locations according to claim 1 wherein the two or more manufacturing locations are at the same site.

29. (Previously presented) A system for the control from a remote location of at least one discrete measurable operational parameter of a manufacturing process for manufacturing composite articles at two or more manufacturing locations according to claim 1 wherein the two or more manufacturing locations are at geographically separate sites.

30. (Previously presented) A system for the control from a remote location of at least one discrete measurable operational parameter of a manufacturing process for manufacturing a fiber reinforced thermoset product at two or more manufacturing locations according to claim 10 wherein the two or more manufacturing locations are at the same site.

31. (Previously presented) A system for the control from a remote location of at least one discrete measurable operational parameter of a manufacturing process for manufacturing a fiber reinforced thermoset product at two or more manufacturing locations according to claim 10 wherein the two or more manufacturing locations are at geographically separate sites.

32. (Previously presented) A system for the control from a remote location of at least one discrete measurable operational parameter of a manufacturing process for reheating

thermoplastic at two or more manufacturing locations according to claim 19 wherein the two or more manufacturing locations are at the same site.

33. (Previously presented) A system for the control from a remote location of at least one discrete measurable operational parameter of a manufacturing process for reheating thermoplastic at two or more manufacturing locations according to claim 19 wherein the two or more manufacturing locations are at geographically separate sites.

**Amendments to the Drawings:**

Attached are corrected Figures 3 and 4.